

## TECHNICAL DATASHEET

# ASCOPRIME EP TL 100

Heavy Duty 2 Part Filterized Epoxy Primer & Sealer  
For The Pre-Treatment Of The Tank Liner Coat



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## PRODUCT INTRODUCTION

**ASCOPRIME EP TL 100** is a two-component, a low VOC, solvent free epoxy primer designed for maximum adhesion and corrosion resistance to properly prepared substrates. It can be used as primer as a part of a complete system in atmospheric and immersed environments. It is suitable for properly prepared carbon steel, stainless steel, concrete, galvanized steel. It can also be used as a stand-alone sealer/dust proofer on concrete floors.

**VERSION : 1 ( NOV : 2022 )**

## KEY FEATURES

- 1) Economical
- 2) Low VOC
- 3) Non-sanding
- 4) Suitable on damp substrate ( < 4 % moisture)
- 5) Excellent adhesion with concrete , render, plaster , screed
- 6) Effective barrier coat over many existing finishes (must perform patch test)
- 7) Exhibits excellent mechanical strength
- 8) Maximum Corrosion resistance & Good hiding
- 9) Easy to use brush, roller or spray application

## RECOMMENDED APPLICATIONS

### Special primer :

- 1) New and maintenance work
- 2) Residential and commercial water tanks
- 3) Concrete, stucco, masonry, screed, plaster surfaces
- 4) Pre-treatment for ASCOPOXY TL 100
- 5) New & old concrete
- 6) Glazed tiles , metals etc.
- 7) Food grade epoxy coatings

## TECHNICAL PROPERTIES ( Complies to ASTM D 4541 –17, 695 , ASTM C 190 , EN 13892 –8:2004 )

<b>Appearance</b>	Part A: Off White Smooth Resin Part B: Free Flowing Off White Hardener
<b>Mixing Ratio</b>	2:1 (By Weight)
<b>Mixed Density</b>	1.30 ± 0.05 Kg/l
<b>Pot Life</b>	6-7 Hours
<b>Workability</b>	2 to 3 Hours
<b>Adhesion to Concrete</b>	≥ 3.0 N/mm <sup>2</sup> @ 7 days
<b>Shear Bonding Strength</b>	≥ 5.0 N/mm <sup>2</sup>
<b>Dry Film Thickness</b>	150 ± 15 micron
<b>Wet Film Thickness</b>	200 ± 15 micron

*The values obtained are from laboratory testing conditions and at 27 ± 2°C . On site tests may show slight variation due to site conditions and / or methods of testing. Follow company TDS to obtain best results.*

## PRECAUTION

1. Do not apply on dusty substrates.
2. Do not use on damp surfaces.
3. Do not dilute it with thinner, solvents or water.
4. Do not apply on surfaces subject to capillary-action rising damp.

## APPLICATION METHODS:

### 1. Surface Preparation

The substrate must be clean, dry, sound and free of all contamination such as dirt, oil, grease, and coatings etc. which hinder an adhesion. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. Concrete must be allowed to cure for 28 days and cement render and cement screeds must be allowed to cure for 7 days prior to the application of **ASCOPRIME EP TL 100**. Optimum performance, including adhesion, corrosion protection, heat resistance and chemical resistance is achieved with recommended surface preparation.

### 2. Mixing

Mix the two components together, Part A (Off White Smooth Resin) and B (Free Flowing Off White Hardener) are packed in two separate containers, in predetermined mixing proportion by weight. The whole quantity of component B is added into component A. Mixing of the 2 components should take place for approx. 5 minutes, using a slow speed electric mixer (300-400 rpm). It is important to stir the mixture thoroughly near the sides and bottom of the container, to achieve uniform dispersion of the hardener. Do not over-mix; over-mixing will cause the epoxy to flash set.

### 3. Application

**ASCOPRIME EP TL 100** can be applied by brush, roller or spray.

Brush: Use a stiff nylon medium bristle brush

Roller: Use a 3/8" phenolic core roller

Spray: Conventional spray / Airless Spray

For best results leave to dry for 12 hours. If the primed surface is left for longer than 24 hours it may lose its tack and may require a repeat application.

### 4. Curing

Optimum performance level is reached after 48 hours of curing.

### 5. Cleaning

Clean skin with soap and water. Tools and equipment should be cleaned with solvent thinners.

### 6. Coverage

40-45 ft<sup>2</sup>/coat/kg ( subject to substrate condition ) on clean smooth concrete.

### 7. Packing

**ASCOPRIME EP TL 100** is available in packaging sets of (a) 6 Kg and (b) 3 Kg pre-determined mixing proportion by weight.

### 8 . Shelf Life

12 months from production date if stored in original, unopened packaging, in places protected from moisture, sun exposure and frost.

## 9. Safety Guidelines

1. Use protective items while using **ASCOPRIME EP TL 100**
2. If come in contact with eyes, immediately wash eyes with plenty of water and seek medical advice.

(Material Safety Data Sheets are available through company representative)

### **DISCLAIMER:**

*While the technical details & recommendations contained in this document and the related details given by the representatives of the company correspond to the best of our knowledge & experience, all the above information must in any case be considered as merely indicative and subject to confirmation. Users are recommended to conduct a product suitability test before it is used at full scale. In any case, the consumer alone is entirely liable for any consequences resulting from using the product. For the most up-to-date TDS, please visit our website at [www.ascolite.in](http://www.ascolite.in). Our company policy is one of ongoing R&D; therefore, we reserve the right to update this information without prior notice at any time. As the correct identification of the problems, the quality of other materials used, on-site environmental conditions and the workmanship on-site are factors beyond our control, there is no express or implied guarantee/warranty as to the results achieved. The company assumes no liability or consequential damage arising from the use of our products for unsatisfactory results. Site visits are not a supervisory responsibility wherever provided. Suggestions made either verbally or in writing by the company may be followed, modified or rejected by the owner, engineer or contractor, since they are solely responsible for carrying out procedures appropriate to a specific application.*